SEQUENCE LISTING

<110> Wittamer, Valerie
Communi, David
Vandenbogaerde, Ann
Detheux, Michel
Parmentier, Marc

<120> Compositions and Methods Comprising a Ligand of ChemerinR

<130> 9409/2045B

<140> 10/603,566
<141> 2003-06-25

<150> US 60/303,858
<151> 2001-07-09

<150> US 09/905,253
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20 25 30

Glu Ala Arg Val Thr Arg Ile Phe Leu Val Val Val Tyr Ser Ile Val
35 40 45

Cys Phe Leu Gly Ile Leu Gly Asn Gly Leu Val Ile Ile Ile Ala Thr
50 55 60

Phe Lys Met Lys Lys Thr Val Asn Met Val Trp Phe Leu Asn Leu Ala
65 70 75 80

Val Ala Asp Phe Leu Phe Asn Val Phe Leu Pro Ile His Ile Thr Tyr
85 90 95

Ala Ala Met Asp Tyr His Trp Val Phe Gly Thr Ala Met Cys Lys Ile
100 105 110

Ser Asn Phe Leu Leu Ile His Asn Met Phe Thr Ser Val Phe Leu Leu
115 120 125

Thr Ile Ile Ser Ser Asp Arg Cys Ile Ser Val Leu Leu Pro Val Trp
130 135 140

Ser Gln Asn His Arg Ser Val Arg Leu Ala Tyr Met Ala Cys Met Val
145 150 155 160

Ile Trp Val Leu Ala Phe Phe Leu Ser Ser Pro Ser Leu Val Phe Arg
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Asp Thr Ala Asn Leu His Gly Lys Ile Ser Cys Phe Asn Asn Phe Ser
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Leu Ser Thr Pro Gly Ser Ser Ser Trp Pro Thr His Ser Gln Met Asp
        195                 200                 205

Pro Val Gly Tyr Ser Arg His Met Val Val Thr Val Thr Arg Phe Leu
    210                 215                 220

Cys Gly Phe Leu Val Pro Val Leu Ile Ile Thr Ala Cys Tyr Leu Thr
225                 230                 235                 240

Ile Val Cys Lys Leu Gln Arg Asn Arg Leu Ala Lys Thr Lys Lys Pro
                245                 250                 255

Phe Lys Ile Ile Val Thr Ile Ile Ile Thr Phe Phe Leu Cys Trp Cys
            260                 265                 270

Pro Tyr His Thr Leu Asn Leu Leu Glu Leu His His Thr Ala Met Pro
        275                 280                 285

Gly Ser Val Phe Ser Leu Gly Leu Pro Leu Ala Thr Ala Leu Ala Ile
    290                 295                 300

Ala Asn Ser Cys Met Asn Pro Ile Leu Tyr Val Phe Met Gly Gln Asp
305                 310                 315                 320

Phe Lys Lys Phe Lys Val Ala Leu Phe Ser Arg Leu Val Asn Ala Leu
                325                 330                 335

Ser Glu Asp Thr Gly His Ser Ser Tyr Pro Ser His Arg Ser Phe Thr
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Glu Ala Lys Val Ala Pro Val Phe Leu Val Val Ile Tyr Ser Leu Val
        35                  40                  45

Cys Phe Leu Gly Leu Leu Gly Asn Gly Leu Val Ile Val Ile Ala Thr
    50                  55                  60

Phe Lys Met Lys Lys Thr Val Asn Thr Val Trp Phe Val Asn Leu Ala
65                  70                  75                  80

Val Ala Asp Phe Leu Phe Asn Ile Phe Leu Pro Met His Ile Thr Tyr
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                85                  90                  95

Ala Ala Met Asp Tyr His Trp Val Phe Gly Lys Ala Met Cys Lys Ile
            100                 105                 110

Ser Asn Phe Leu Leu Ser His Asn Met Tyr Thr Ser Val Phe Leu Leu
        115                 120                 125

Thr Val Ile Ser Phe Asp Arg Cys Ile Ser Val Leu Leu Pro Val Trp
    130                 135                 140

Ser Gln Asn His Arg Ser Ile Arg Leu Ala Tyr Met Thr Cys Ser Ala
145                 150                 155                 160

Val Trp Val Leu Ala Phe Phe Leu Ser Ser Pro Ser Leu Val Phe Arg
                165                 170                 175

Asp Thr Ala Asn Ile His Gly Lys Ile Thr Cys Phe Asn Asn Phe Ser
            180                 185                 190

Leu Ala Ala Pro Glu Ser Ser Pro His Pro Ala His Ser Gln Val Val
        195                 200                 205

Ser Thr Gly Tyr Ser Arg His Val Ala Val Thr Val Thr Arg Phe Leu
    210                 215                 220

Cys Gly Phe Leu Ile Pro Val Phe Ile Ile Thr Ala Cys Tyr Leu Thr
225                 230                 235                 240

Ile Val Phe Lys Leu Gln Arg Asn Arg Leu Ala Lys Asn Lys Lys Pro
                245                 250                 255

Phe Lys Ile Ile Ile Thr Ile Ile Ile Thr Phe Phe Leu Cys Trp Cys
            260                 265                 270

Pro Tyr His Thr Leu Tyr Leu Leu Glu Leu His His Thr Ala Val Pro
        275                 280                 285

Ser Ser Val Phe Ser Leu Gly Leu Pro Leu Ala Thr Ala Val Ala Ile
    290                 295                 300

Ala Asn Ser Cys Met Asn Pro Ile Leu Tyr Val Phe Met Gly His Asp
305                 310                 315                 320

Phe Arg Lys Phe Lys Val Ala Leu Phe Ser Arg Leu Ala Asn Ala Leu
                325                 330                 335
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Lys Met Ser Ser Leu Asn Glu Lys Ala Ser Val Asn Glu Lys Glu Thr
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Ser Thr Leu
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<212> DNA
<213> Rattus norvegicus

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gtcatcgcca ccttcaagat gaagaagacg gtgaacaccg tgtggtttgt caacctggcc 240

gtggctgact tcctgttcaa catcttcttg cccatccaca tcacctatgc cgctatggac 300

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<213> Rattus norvegicus

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Ser Asp Gly Ser Asp Tyr Ile Val Asp Leu Glu Glu Ala Gly Pro Leu
            20                  25                  30

Glu Ala Lys Val Ala Glu Val Phe Leu Val Val Ile Tyr Ser Leu Val
        35                  40                  45

Cys Phe Leu Gly Ile Leu Gly Asn Gly Leu Val Ile Val Ile Ala Thr
    50                  55                  60

Phe Lys Met Lys Lys Thr Val Asn Thr Val Trp Phe Val Asn Leu Ala
65                  70                  75                  80

Val Ala Asp Phe Leu Phe Asn Ile Phe Leu Pro Ile His Ile Thr Tyr
                85                  90                  95

Ala Ala Met Asp Tyr His Trp Val Phe Gly Lys Ala Met Cys Lys Ile
            100                 105                 110

Ser Ser Phe Leu Leu Ser His Asn Met Tyr Thr Ser Val Phe Leu Leu
        115                 120                 125

Thr Val Ile Ser Phe Asp Arg Cys Ile Ser Val Leu Leu Pro Val Trp
    130                 135                 140

Ser Gln Asn His Arg Ser Val Arg Leu Ala Tyr Met Thr Cys Val Val
145                 150                 155                 160

Val Trp Val Trp Leu Ser Ser Glu Ser Pro Pro Ser Leu Val Phe Gly
                165                 170                 175

His Val Ser Thr Ser His Gly Lys Ile Thr Cys Phe Asn Asn Phe Ser
            180                 185                 190

Leu Ala Ala Pro Glu Pro Phe Ser His Ser Thr His Pro Arg Thr Asp
        195                 200                 205

Pro Val Gly Tyr Ser Arg His Val Ala Val Thr Val Thr Arg Phe Leu
    210                 215                 220

Cys Gly Phe Leu Ile Pro Val Phe Ile Ile Thr Ala Cys Tyr Leu Thr
225                 230                 235                 240

Ile Val Phe Lys Leu Gln Arg Asn Arg Gln Ala Lys Thr Lys Lys Pro
                245                 250                 255
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Phe Lys Ile Ile Ile Thr Ile Ile Ile Thr Phe Phe Leu Cys Trp Cys
            260                 265                 270

Pro Tyr His Thr Leu Tyr Leu Leu Glu Leu His His Thr Ala Val Pro
        275                 280                 285

Ala Ser Val Phe Ser Leu Gly Leu Pro Leu Ala Thr Ala Val Ala Ile
    290                 295                 300

Ala Asn Ser Cys Met Asn Pro Ile Leu Tyr Val Phe Met Gly His Asp
305                 310                 315                 320

Phe Lys Lys Phe Lys Val Ala Leu Phe Ser Arg Leu Val Asn Ala Leu
                325                 330                 335

Ser Glu Asp Thr Gly Pro Ser Ser Tyr Pro Ser His Arg Ser Phe Thr
            340                 345                 350

Lys Met Ser Ser Leu Ile Glu Lys Ala Ser Val Asn Glu Lys Glu Thr
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Val Gly Val Ala Glu Leu Thr Glu Ala Gln Arg Arg Gly Leu Gln Val
            20                  25                  30

Ala Leu Glu Glu Phe His Lys His Pro Pro Val Gln Trp Ala Phe Gln
        35                  40                  45

Glu Thr Ser Val Glu Ser Ala Val Asp Thr Pro Phe Pro Ala Gly Ile
    50                  55                  60

Phe Val Arg Leu Glu Phe Lys Leu Gln Gln Thr Ser Cys Arg Lys Arg
65                  70                  75                  80

Asp Trp Lys Lys Pro Glu Cys Lys Val Arg Pro Asn Gly Arg Lys Arg
                85                  90                  95

Lys Cys Leu Ala Cys Ile Lys Leu Gly Ser Glu Asp Lys Val Leu Gly
            100                 105                 110

Arg Leu Val His Cys Pro Ile Glu Thr Gln Val Leu Arg Glu Ala Glu
        115                 120                 125

Glu His Gln Glu Thr Gln Cys Leu Arg Val Gln Arg Ala Gly Glu Asp
    130                 135                 140

Pro His Ser Phe Tyr Phe Pro Gly Gln Phe Ala Phe Ser Lys Ala Leu
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Pro Arg Ser
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<212> DNA
<213> Mus musculus

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ctcttctcag ctggcacctt tgtgaggttg gaatttaagc tccagcagac caactgcccc    240

aagaaggact ggaaaaagcc ggagtgcaca atcaaaccaa acgggagaag gcggaaatgc    300
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<213> Mus musculus

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20 25 30

Gln Val Ala Leu Glu Glu Phe His Lys His Pro Pro Val Gln Leu Ala
35 40 45

Phe Gln Glu Ile Gly Val Asp Arg Ala Glu Glu Val Leu Phe Ser Ala
50 55 60

Gly Thr Phe Val Arg Leu Glu Phe Lys Leu Gln Gln Thr Asn Cys Pro
65 70 75 80

Lys Lys Asp Trp Lys Lys Pro Glu Cys Thr Ile Lys Pro Asn Gly Arg
85 90 95

Arg Arg Lys Cys Leu Ala Cys Ile Lys Met Asp Pro Lys Gly Lys Ile
100 105 110

Leu Gly Arg Ile Val His Cys Pro Ile Leu Lys Gln Gly Pro Gln Asp
115 120 125

Pro Gln Glu Leu Gln Cys Ile Lys Ile Ala Gln Ala Gly Glu Asp Pro
130 135 140

His Gly Tyr Phe Leu Pro Gly Gln Phe Ala Phe Ser Arg Ala Leu Arg
145 150 155 160

Thr Lys

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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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20 25 30

Glu Ser Ala Val Asp Thr Pro Phe Pro Ala Gly Ile Phe Val Arg Leu
35 40 45

Glu Phe Lys Leu Gln Gln Thr Ser Cys Arg Lys Arg Asp Trp Lys Lys
50 55 60

Pro Glu Cys Lys Val Arg Pro Asn Gly Arg Lys Arg Lys Cys Leu Ala
65 70 75 80

Cys Ile Lys Leu Gly Ser Glu Asp Lys Val Leu Gly Arg Leu Val His
85 90 95

Cys Pro Ile Glu Thr Gln Val Leu Arg Glu Ala Glu Glu His Gln Glu
100 105 110

Thr Gln Cys Leu Arg Val Gln Arg Ala Gly Glu Asp Pro His Ser Phe
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Tyr Phe Pro Gly Gln Phe Ala Phe Ser Lys Ala Leu Pro Arg Ser
130 135 140

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<212> DNA
<213> Homo sapiens

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<211> 137
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20 25 30

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35 40 45

Glu Phe Lys Leu Gln Gln Thr Ser Cys Arg Lys Arg Asp Trp Lys Lys
50 55 60

Pro Glu Cys Lys Val Arg Pro Asn Gly Arg Lys Arg Lys Cys Leu Ala
65 70 75 80

Cys Ile Lys Leu Gly Ser Glu Asp Lys Val Leu Gly Arg Leu Val His
85 90 95

Cys Pro Ile Glu Thr Gln Val Leu Arg Glu Ala Glu Glu His Gln Glu
100 105 110

Thr Gln Cys Leu Arg Val Gln Arg Ala Gly Glu Asp Pro His Ser Phe
115 120 125

Tyr Phe Pro Gly Gln Phe Ala Phe Ser
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Phe Ser Lys

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<210> 34
<211> 17
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<220>
<223> Synthetic primer

<220>
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<222> (1)..(17)
<223> Synthetic primer

<400> 34
gcagacaagc tgccgga 17

<210> 35
<211> 19
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<220>
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<220>
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<223> Synthetic primer

<400> 35
agtttgatgc aggccaggc 19

<210> 36
<211> 23
<212> DNA
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<220>
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<220>
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<223> Synthetic probe

<400> 36
aacccgagtg caaagtcagg ccc 23

<210> 37
<211> 18
<212> DNA
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<220>

<223> Synthetic primer

<220>
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<222> (1)..(18)
<223> Synthetic primer

<400> 37
gtcccagaac caccgcag 18

<210> 38
<211> 21
<212> DNA
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<220>
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<220>
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<223> Synthetic primer

<400> 38
aagaaagcca ggacccagat g 21

<210> 39
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<220>
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<220>
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<400> 39
ttcgcctggc ttacatggcc tgc 23

<210> 40
<211> 19
<212> DNA
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<220>
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<220>
<221> misc_feature
<222> (1)..(19)
<223> Synthetic primer

<400> 40

gaaggtgaag gtcggagtc 19

<210> 41
<211> 20
<212> DNA
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<220>
<223> Synthetic primer

<220>
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<222> (1)..(20)
<223> Synthetic primer

<400> 41
gaagatggtg atgggatttc 20

<210> 42
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
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<220>
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<222> (1)..(20)
<223> Synthetic primer

<400> 42
agctctcccg ccggcctctg 20

<210> 43
<211> 19
<212> PRT
<213> Mus musculus

<400> 43

Ala Gln Ala Gly Glu Asp Pro His Gly Tyr Phe Leu Pro Gly Gln Phe
1 5 10 15

Ala Phe Ser

<210> 44
<211> 12
<212> PRT
<213> Mus musculus

<400> 44

His Gly Tyr Phe Leu Pro Gly Gln Phe Ala Phe Ser
1 5 10

<210> 45
<211> 11
<212> PRT
<213> Mus musculus

<400> 45

Gly Tyr Phe Leu Pro Gly Gln Phe Ala Phe Ser
1 5 10

<210> 46
<211> 10
<212> PRT
<213> Mus musculus

<400> 46

Tyr Phe Leu Pro Gly Gln Phe Ala Phe Ser
1 5 10

<210> 47
<211> 9
<212> PRT
<213> Mus musculus

<400> 47

Phe Leu Pro Gly Gln Phe Ala Phe Ser
1 5

<210> 48
<211> 8
<212> PRT
<213> Mus musculus

<400> 48

Leu Pro Gly Gln Phe Ala Phe Ser
1 5

<210> 49
<211> 26
<212> PRT
<213> Mus musculus

<400> 49

Ile Ala Gln Ala Gly Glu Asp Pro His Gly Tyr Phe Leu Pro Gly Gln
1 5 10 15

Phe Ala Phe Ser Arg Ala Leu Arg Thr Lys
20 25

<210> 50
<211> 21

<212> PRT
<213> Mus musculus

<400> 50

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Ile Ala Gln Ala Gly Glu Asp Pro His Gly Tyr Phe Leu Pro Gly Gln
1               5                   10                  15

Phe Ala Phe Ser Arg
            20
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<210> 51
<211> 170
<212> PRT
<213> Homo sapiens

<400> 51

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Met Lys Thr Gln Arg Asp Gly His Ser Leu Gly Arg Trp Ser Leu Val
1               5                   10                  15

Leu Leu Leu Leu Gly Leu Val Met Pro Leu Ala Ile Ile Ala Gln Val
            20                  25                  30

Leu Ser Tyr Lys Glu Ala Val Leu Arg Ala Ile Asp Gly Ile Asn Gln
        35                  40                  45

Arg Ser Ser Asp Ala Asn Leu Tyr Arg Leu Leu Asp Leu Asp Pro Arg
    50                  55                  60

Pro Thr Met Asp Gly Asp Pro Asp Thr Pro Lys Pro Val Ser Phe Thr
65                  70                  75                  80

Val Lys Glu Thr Val Cys Pro Arg Thr Thr Gln Gln Ser Pro Glu Asp
                85                  90                  95

Cys Asp Phe Lys Lys Asp Gly Leu Val Lys Arg Cys Met Gly Thr Val
            100                 105                 110

Thr Leu Asn Gln Ala Arg Gly Ser Phe Asp Ile Ser Cys Asp Lys Asp
        115                 120                 125

Asn Lys Arg Phe Ala Leu Leu Gly Asp Phe Phe Arg Lys Ser Lys Glu
    130                 135                 140

Lys Ile Gly Lys Glu Phe Lys Arg Ile Val Gln Arg Ile Lys Asp Phe
145                 150                 155                 160

Leu Arg Asn Leu Val Pro Arg Thr Glu Ser
                165                 170
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<210> 52
<211> 25
<212> PRT
<213> Homo sapiens

<400> 52

Gln Arg Ala Gly Glu Asp Pro His Ser Phe Tyr Phe Pro Gly Gln Phe
1 5 10 15

Ala Phe Ser Lys Ala Leu Pro Arg Ser
20 25

<210> 53
<211> 19
<212> PRT
<213> Homo sapiens

<400> 53

Gln Arg Ala Gly Glu Asp Pro His Ser Phe Tyr Phe Pro Gly Gln Phe
1 5 10 15

Ala Phe Ser

<210> 54
<211> 20
<212> PRT
<213> Homo sapiens

<400> 54

Gln Arg Ala Gly Glu Asp Pro His Ser Phe Tyr Phe Pro Gly Gln Phe
1 5 10 15

Ala Phe Ser Lys
20

<210> 55
<211> 18
<212> PRT
<213> Homo sapiens

<400> 55

Gln Arg Ala Gly Glu Asp Pro His Ser Phe Tyr Phe Pro Gly Gln Phe
1 5 10 15

Ala Phe

<210> 56
<211> 17

<212> PRT
<213> Homo sapiens

<400> 56

Gln Arg Ala Gly Glu Asp Pro His Ser Phe Tyr Phe Pro Gly Gln Phe
1 5 10 15

Ala

<210> 57
<211> 16
<212> PRT
<213> Homo sapiens

<400> 57

Gln Arg Ala Gly Glu Asp Pro His Ser Phe Tyr Phe Pro Gly Gln Phe
1 5 10 15

<210> 58
<211> 15
<212> PRT
<213> Homo sapiens

<400> 58

Gln Arg Ala Gly Glu Asp Pro His Ser Phe Tyr Phe Pro Gly Gln
1 5 10 15

<210> 59
<211> 7
<212> PRT
<213> Homo sapiens

<400> 59

Pro Gly Gln Phe Ala Phe Ser
1 5

<210> 60
<211> 8
<212> PRT
<213> Homo sapiens

<400> 60

Phe Pro Gly Gln Phe Ala Phe Ser
1 5

<210> 61
<211> 9
<212> PRT
<213> Homo sapiens

<400> 61

Tyr Phe Pro Gly Gln Phe Ala Phe Ser
1 5

<210> 62
<211> 10
<212> PRT
<213> Homo sapiens

<400> 62

Phe Tyr Phe Pro Gly Gln Phe Ala Phe Ser
1 5 10

<210> 63
<211> 12
<212> PRT
<213> Homo sapiens

<400> 63

His Ser Phe Tyr Phe Pro Gly Gln Phe Ala Phe Ser
1 5 10

<210> 64
<211> 13
<212> PRT
<213> Homo sapiens

<400> 64

Pro His Ser Phe Tyr Phe Pro Gly Gln Phe Ala Phe Ser
1 5 10

<210> 65
<211> 9
<212> PRT
<213> Homo sapiens

<400> 65

Ala Phe Pro Gly Gln Phe Ala Phe Ser
1 5

<210> 66
<211> 9
<212> PRT
<213> Homo sapiens

<400> 66

Tyr Ala Pro Gly Gln Phe Ala Phe Ser
1 5

<210> 67
<211> 9
<212> PRT

<213> Homo sapiens

<400> 67

Tyr Phe Ala Gly Gln Phe Ala Phe Ser
1 5

<210> 68
<211> 9
<212> PRT
<213> Homo sapiens

<400> 68

Tyr Phe Pro Gly Ala Phe Ala Phe Ser
1 5

<210> 69
<211> 9
<212> PRT
<213> Homo sapiens

<400> 69

Tyr Phe Pro Gly Gln Ala Ala Phe Ser
1 5

<210> 70
<211> 9
<212> PRT
<213> Homo sapiens

<400> 70

Tyr Phe Pro Gly Gln Phe Ala Ala Ser
1 5

<210> 71
<211> 9
<212> PRT
<213> Homo sapiens

<400> 71

Tyr Phe Pro Gly Gln Phe Ala Phe Ala
1 5

<210> 72
<211> 471
<212> DNA
<213> Homo sapiens

<400> 72
atgcgacggc tgctgatccc tctggccctg tggctgggtg cggtgggcgt gggcgtcgcc 60

gagctcacgg aagcccagcg ccggggcctg caggtggccc tggaggaatt tcacaagcac 120

ccgcccgtgc agtgggcctt ccaggagacc agtgtggaga gcgccgtgga cacgcccttc 180

ccagctggaa tatttgtgag gctggaattt aagctgcagc agacaagctg ccggaagagg 240

gactggaaga aacccgagtg caaagtcagg cccaatggga ggaaacggaa atgcctggcc 300

tgcatcaaac tgggctctga ggacaaagtt ctgggccggt tggtccactg ccccatagag 360

acccaagttc tgcgggaggc tgaggagcac caggagaccc agtgcctcag ggtgcagcgg 420

gctggtgagg acccccacag cttctacttc cctggacagt tcgccttctc c 471

<210> 73
<211> 157
<212> PRT
<213> Homo sapiens

<400> 73

Met Arg Arg Leu Leu Ile Pro Leu Ala Leu Trp Leu Gly Ala Val Gly
1 5 10 15

Val Gly Val Ala Glu Leu Thr Glu Ala Gln Arg Arg Gly Leu Gln Val
20 25 30

Ala Leu Glu Glu Phe His Lys His Pro Pro Val Gln Trp Ala Phe Gln
35 40 45

Glu Thr Ser Val Glu Ser Ala Val Asp Thr Pro Phe Pro Ala Gly Ile
50 55 60

Phe Val Arg Leu Glu Phe Lys Leu Gln Gln Thr Ser Cys Arg Lys Arg
65 70 75 80

Asp Trp Lys Lys Pro Glu Cys Lys Val Arg Pro Asn Gly Arg Lys Arg
85 90 95

Lys Cys Leu Ala Cys Ile Lys Leu Gly Ser Glu Asp Lys Val Leu Gly
100 105 110

Arg Leu Val His Cys Pro Ile Glu Thr Gln Val Leu Arg Glu Ala Glu
115 120 125

Glu His Gln Glu Thr Gln Cys Leu Arg Val Gln Arg Ala Gly Glu Asp
130 135 140

Pro His Ser Phe Tyr Phe Pro Gly Gln Phe Ala Phe Ser
145 150 155

<210> 74
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Src-related peptide kinase substrate

<400> 74

Arg Arg Leu Ile Glu Asp Ala Glu Tyr Ala Ala Arg Gly
1 5 10

<210> 75
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> CREB binding site

<400> 75
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<210> 76
<211> 160
<212> PRT
<213> Rattus norvegicus

<400> 76

Met Lys Cys Leu Leu Ile Ser Leu Ala Leu Trp Leu Gly Thr Ala Asp
1 5 10 15

Ile His Gly Thr Glu Leu Glu Leu Ser Glu Thr Gln Arg Arg Gly Leu
20 25 30

Gln Val Ala Leu Glu Glu Phe His Arg His Pro Pro Val Gln Trp Ala
35 40 45

Phe Gln Glu Ile Gly Val Asp Ser Ala Asp Asp Leu Phe Phe Ser Ala
50 55 60

Gly Thr Phe Val Arg Leu Glu Phe Lys Leu Gln Gln Thr Ser Cys Leu
65 70 75 80

Lys Lys Asp Trp Lys Lys Pro Glu Cys Thr Ile Lys Pro Asn Gly Arg
85 90 95

Lys Arg Lys Cys Leu Ala Cys Ile Lys Leu Asp Pro Lys Gly Lys Val
100 105 110

Leu Gly Arg Met Val His Cys Pro Ile Leu Lys Gln Gly Pro Gln Gln
115 120 125

Glu Pro Gln Glu Ser Gln Cys Ser Lys Ile Ala Gln Ala Gly Glu Asp
130 135 140

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Ser Arg Ile Tyr Phe Phe Pro Gly Gln Phe Ala Phe Ser Arg Ala Leu
145                 150                 155                 160


<210>  77
<211>  163
<212>  PRT
<213>  Sus scrofa

<400>  77

Met Trp Gln Leu Leu Leu Pro Leu Ala Leu Trp Leu Gly Thr Met Gly
1               5                   10                  15


Leu Gly Arg Ala Glu Leu Thr Ala Ala Gln Leu Arg Gly Leu Gln Val
            20                  25                  30


Ala Leu Glu Glu Phe His Lys His Pro Pro Val Gln Trp Ala Phe Arg
        35                  40                  45


Glu Thr Gly Val Asn Ser Ala Met Asp Thr Pro Phe Pro Ala Gly Thr
    50                  55                  60


Phe Val Arg Leu Glu Phe Lys Leu Gln Gln Thr Ser Cys Arg Lys Arg
65                  70                  75                  80


Asp Trp Lys Lys Ala Glu Cys Lys Val Lys Pro Asn Gly Arg Lys Arg
                85                  90                  95


Lys Cys Leu Ala Cys Ile Lys Leu Asn Ser Glu Asp Lys Val Leu Gly
            100                 105                 110


Arg Met Val His Cys Pro Ile Glu Thr Gln Val Gln Arg Glu Pro Glu
        115                 120                 125


Glu Arg Gln Glu Ala Gln Cys Ser Arg Val Glu Arg Ala Gly Glu Asp
    130                 135                 140


Pro His Ser Tyr Tyr Phe Pro Gly Gln Phe Ala Phe Phe Lys Ala Leu
145                 150                 155                 160


Pro Pro Ser



<210>  78
<211>  160
<212>  PRT
<213>  Bos taurus

<400>  78
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Met Trp Gln Leu Leu Leu Pro Leu Ala Leu Gly Leu Gly Thr Met Gly
1               5                  10                  15

Leu Gly Arg Ala Glu Leu Thr Thr Ala Gln His Arg Gly Leu Gln Val
            20                  25                  30

Ala Leu Glu Glu Phe His Lys His Pro Pro Val Leu Trp Ala Phe Gln
        35                  40                  45

Val Thr Ser Val Asp Asn Ala Ala Asp Thr Leu Phe Pro Ala Gly Gln
    50                  55                  60

Phe Val Arg Leu Glu Phe Lys Leu Gln Gln Thr Ser Cys Arg Lys Lys
65                  70                  75                  80

Asp Trp Arg Lys Glu Asp Cys Lys Val Lys Pro Asn Gly Arg Lys Arg
                85                  90                  95

Lys Cys Leu Ala Cys Ile Lys Leu Asp Ser Lys Asp Gln Val Leu Gly
            100                 105                 110

Arg Met Val His Cys Pro Ile Gln Thr Gln Val Gln Arg Glu Leu Asp
        115                 120                 125

Asp Ala Gln Asp Ala Gln Cys Ser Arg Val Glu Arg Ala Gly Glu Asp
    130                 135                 140

Pro His Ser Tyr Tyr Leu Pro Gly Gln Phe Ala Phe Ile Lys Ala Leu
145                 150                 155                 160
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<210> 79
<211> 165
<212> PRT
<213> Gallus gallus

<400> 79

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Arg Ala Val Gly Met Lys Leu Leu Leu Gly Ile Ala Val Val Val Leu
1               5                  10                  15

Ala Leu Ala Asp Ala Gly Gln Ser Pro Leu Gln Arg Arg Val Val Lys
            20                  25                  30

Asp Val Leu Asp Tyr Phe His Ser Arg Ser Asn Val Gln Phe Leu Phe
        35                  40                  45

Arg Glu Gln Ser Val Glu Gly Ala Val Glu Arg Val Asp Ser Ser Gly
    50                  55                  60
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Thr Phe Val Gln Leu His Leu Asn Leu Ala Gln Thr Ala Cys Arg Lys
65                  70                  75                  80

Gln Ala Gln Arg Lys Gln Asn Cys Arg Ile Met Glu Asn Arg Arg Lys
                85                  90                  95

Pro Val Cys Leu Ala Cys Tyr Lys Phe Asp Ser Ser Asp Val Pro Lys
            100                 105                 110

Val Leu Asp Lys Tyr Tyr Asn Cys Gly Pro Ser His His Leu Ala Met
        115                 120                 125

Lys Asp Ile Lys His Arg Asp Glu Ala Glu Cys Arg Ala Val Glu Glu
    130                 135                 140

Ala Gly Lys Thr Ser Asp Val Leu Tyr Leu Pro Gly Met Phe Ala Phe
145                 150                 155                 160

Ser Lys Gly Leu Pro
                165


<210>  80
<211>  7
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Substrate peptide for Protein Kinase C

<220>
<221>  PEPTIDE
<222>  (1)..(7)
<223>  Substrate peptide


<400>  80

Phe Lys Lys Ser Phe Lys Leu
1               5


<210>  81
<211>  11
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Consensus NF-kappa B binding site

<220>
<221>  misc_binding
<222>  (1)..(11)
<223>  Consensus binding element sequence
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<400> 81
ggggactttc c 11

<210> 82
<211> 6
<212> PRT
<213> Homo sapiens

<400> 82

Lys Ala Leu Pro Arg Ser
1 5

<210> 83
<211> 17
<212> PRT
<213> Homo sapiens

<400> 83

Ala Gly Glu Asp Pro His Ser Phe Tyr Phe Pro Gly Gln Phe Ala Phe
1 5 10 15

Ser

<210> 84
<211> 15
<212> PRT
<213> Homo sapiens

<400> 84

Glu Asp Pro His Ser Phe Tyr Phe Pro Gly Gln Phe Ala Phe Ser
1 5 10 15

<210> 85
<211> 11
<212> PRT
<213> Homo sapiens

<400> 85

Ser Phe Tyr Phe Pro Gly Gln Phe Ala Phe Ser
1 5 10

<210> 86
<211> 6
<212> PRT
<213> Homo sapiens

<400> 86

Gly Gln Phe Ala Phe Ser
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<210> 87
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<400> 87

Gln Phe Ala Phe Ser
1 5

<210> 88
<211> 9
<212> PRT
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<400> 88

Tyr Phe Pro Ala Gln Phe Ala Phe Ser
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<210> 89
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<400> 89

Phe Ser Lys Ala Leu Pro Arg Ser
1 5

<210> 90
<211> 7
<212> PRT
<213> Homo sapiens

<400> 90

Glu Leu Thr Glu Ala Gln Arg
1 5

<210> 91
<211> 13
<212> PRT
<213> Homo sapiens

<400> 91

Tyr His Ser Phe Phe Phe Pro Gly Gln Phe Ala Phe Ser
1 5 10

<210> 92
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> binds to a ChemerinR polypeptide

<220>
<221> MISC_FEATURE
<222> (3)..(5)
<223> Each X is any amino acid

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> X is any amino acid

<220>
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<222> (9)..(9)
<223> X is any amino acid

<400> 92

Tyr Phe Xaa Xaa Xaa Phe Xaa Phe Xaa
1 5

<210> 93
<211> 9
<212> PRT
<213> binds specifically to a ChemerinR polypeptide

<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> X is selected from the group consisting of GLY, ALA, VAL, LEU, IL
E, SER and THR

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> X is either GLU or ASN

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> X is selected from the group consisting of GLY, ALA, VAL, LEU, IL
E, SER and THR

<220>
<221> MISC_FEATURE
<222> (9)..(9)
<223> X is selected from the group consisting of GLY, ALA, VAL, LEU, IL
E, SER and THR

<400> 93

Tyr Phe Pro Xaa Xaa Phe Xaa Phe Xaa
1 5

<210> 94

<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Binds specifically to ChemerinR

<220>
<221> MISC_FEATURE
<222> (1)..(2)
<223> Each x is any aromatic amino acid

<220>
<221> MISC_FEATURE
<222> (3)..(5)
<223> each X is any amino acid

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> x is any aromatic amino acid

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> X is any amino acid

<220>
<221> MISC_FEATURE
<222> (8)..(8)
<223> x is any aromatic amino acid

<220>
<221> MISC_FEATURE
<222> (9)..(9)
<223> X is any amino acid

<400> 94

Xaa Xaa Xaa Xaa Xaa xaa Xaa xaa Xaa
1 5